1-port omni antenna, 890–960 MHz, 360° HPBW, fixed electrical tilt, fits on 38–51 mm (1-1/2 to 2 in) OD pipe

- Light weight, low profile omnidirectional antenna ideal for low to moderate gain applications
- Integral dual purpose mount allows top or side mounting

### Electrical Specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Frequency Band, MHz</td>
<td>890–960</td>
</tr>
<tr>
<td>Gain, dBi</td>
<td>8.1</td>
</tr>
<tr>
<td>Beamwidth, Horizontal, degrees</td>
<td>360</td>
</tr>
<tr>
<td>Beamwidth, Vertical, degrees</td>
<td>18.0</td>
</tr>
<tr>
<td>Beam Tilt, degrees</td>
<td>0</td>
</tr>
<tr>
<td>VSWR</td>
<td>Return Loss, dB</td>
</tr>
<tr>
<td>PIM, 5th Order, 2 x 20 W, dBC</td>
<td>-153</td>
</tr>
<tr>
<td>Input Power per Port, maximum, watts</td>
<td>400</td>
</tr>
<tr>
<td>Polarization</td>
<td>Vertical</td>
</tr>
<tr>
<td>Impedance</td>
<td>50 ohm</td>
</tr>
</tbody>
</table>

### General Specifications

- Operating Frequency Band: 890 – 960 MHz
- Antenna Type: Omni
- Band: Single band
- Includes: V-bolts
- Performance Note: Outdoor usage

### Mechanical Specifications

- RF Connector Quantity, total: 1
- RF Connector Quantity, low band: 1
- RF Connector Interface: N Female
- Color: Horizon blue
- Grounding Type: RF connector inner conductor and body grounded to reflector and mounting bracket
- Radiator Material: Brass
- Radome Material: Fiberglass, UV resistant
- RF Connector Location: Bottom
- Wind Loading, maximum: 20.1 lbf @ 100 mph | 89.4 N @ 100 mph
- Wind Speed, maximum: 201 km/h | 125 mph
DB586-Y

Dimensions

Length: 1498.6 mm | 59.0 in
Outer Diameter: 38.1 mm | 1.5 in
Net Weight, without mounting kit: 3.6 kg | 7.9 lb

Regulatory Compliance/Certifications

Agency | Classification
RoHS 2011/65/EU | Compliant by Exemption
ISO 9001:2015 | Designed, manufactured and/or distributed under this quality management system
China RoHS SJ/T 11364-2014 | Above Maximum Concentration Value (MCV)
CE | Compliant with the relevant CE product directives

* Footnotes

Performance Note: Severe environmental conditions may degrade optimum performance